

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings of claims in this application.

1-20. (Canceled)

21. (Currently Amended) ~~The stringed musical instrument pickup of claim 20, A~~
stringed musical instrument pickup comprising:

at least one string-sensing coil, and

at least one noise-sensing coil electrically coupled to the string sensing coil,
the noise-sensing coil comprising a core, the core comprising steel laminations,
whereby eddy current losses are reduced when a voltage is induced in the noise-
sensing coil in order to cancel a noise voltage induced in the string-sensing coil;

wherein the noise-sensing coil further comprises:

at least one end plate extending transversely of at least one end of the core; and a coil
of copper wire wound on the core, the at least one end plate comprises two end plates
extending transversely of opposite ends of the core;

wherein the steel laminations are H-shaped, the bridges of each H forming the core
and the legs of the H forming the two endplates.

22. (Currently Amended) The stringed musical instrument pickup of claim 18~~21~~,
wherein the steel laminations are electrically insulated from one another.

23. - 29 (Canceled)

30. (Currently Amended) The stringed musical instrument pickup of claim 17~~21~~,
further comprising steel side-walls adjacent to the string-sensing coil.

31. (Previously Presented) The stringed musical instrument pickup of claim 30,
wherein the string-sensing coil has between 3,000 and 8,000 turns of 0.050mm or 0.056mm
wire, and wherein the noise-sensing coil has between 1,000 and 4,000 turns of 0.063mm or
0.071mm wire.

32. (Previously Presented) The stringed musical instrument pickup of claim 30, wherein the noise-sensing coil is positioned adjacent the string-sensing coil.

33. (Currently Amended) The stringed musical instrument pickup of claim ~~17~~21, wherein the string-sensing coil further comprises a core, and wherein the core of the noise-sensing coil and the core of the string-sensing coil each are connected to two end plates extending transversely of each end of each core to form a bobbin or former for each coil.

34. (Previously Presented) The stringed musical instrument pickup of claim 33, wherein each coil further comprises copper wire wound on the bobbin or former.

35. (Previously Presented) The stringed musical instrument pickup of claim 34, wherein the bobbin or former of the string-sensing coil further comprises a plurality of steel pole pieces extending in use in an axial direction through the core toward the instrument strings and away from the bobbin or former through the noise-sensing coil; and the stringed musical instrument pickup further comprises a magnetizing means, the steel pole pieces transferring magnetic fields therefrom to the instrument strings.

36. (Previously Presented) The stringed musical instrument pickup of claim 35, further comprising steel side-walls adjacent to the string-sensing coil.

37. (Previously Presented) The stringed musical instrument pickup of claim 35, wherein the pole pieces extend through the stringed musical instrument pickup to a single bar magnet.

38. (Previously Presented) The stringed musical instrument pickup of claim 35, wherein the pole pieces extend through the core of the string-sensing coil and wherein the magnetizing means is a pair of transversely spaced bar magnets.

39. (Previously Presented) The stringed musical instrument pickup of claim 35, wherein the noise-sensing coil is positioned below the string-sensing coil.

40. (Canceled)